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bool>, are a superset of ... www.nd.edu/~hpcc/solaris_opt/SUNWspro/WS6U2/.../5_3.htm - Cached

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boolean vector short-circuit evaluation. Options V ... I want to scan the vector. If I find a one, exit. ...

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Java 2 Platform SE v1.3.1: Class Vector

boolean, isEmpty() Tests if this **vector** has no components. public **boolean** containsAll (Collection c). Returns true if this **Vector** contains all of the ... java.sun.com/j2se/1.3/docs/api/java/util/**Vector**.html - Çached - Similar

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6.830 Lab 4: Query Optimization

In this lab, you will implement a query optimizer on top of SimpleDB. To estimate the selectivity of an equality expression, f=const, Vector orderJoins(HashMap stats, HashMap filterSelectivities, boolean explain) ...

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The **optimizer** therefore typically chooses tables or columns that are most "selective"—that is, will yield the fewest rows when the **query condition** is ... www.freepatentsonline.com/y2009/0276395.html

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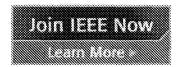
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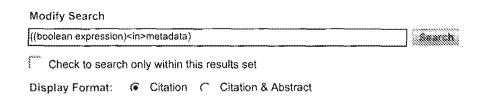
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Lian Yu; Wei Zhao; Xiangdong Fan; Jun Zhu;

Theoretical Aspects of Software Engineering, 2009, TASE 2009, Third IEEE I

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24-25 Aug. 2009 Page(s):31 - 40

Digital Object Identifier 10,1109/QSIC.2009.13

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#### 9. Optimization of the Quine-McCluskey Method for the **Boolean Expressions**

Jain, T.K.; Kushwaha, D.S.; Misra, A.K.;

Autonomic and Autonomous Systems, 2008. ICAS 2008. Fourth International

16-21 March 2008 Page(s):165 - 168

Digital Object Identifier 10.1109/ICAS.2008.11

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#### Γ ^{10.} Programming Boolean expressions for testability

White, A.L.;

Aerospace Conference, 2004. Proceedings, 2004 IEEE Volume 5, 6-13 March 2004 Page(s):3110 - 3122 Vol.5 AbstractPlus | Full Text: PDF(725 KB) IEEE CNF Rights and Permissions

#### 11. Boolean expression diagrams

Andersen, H.R.; Hulgaard, H.; Logic in Computer Science, 1997. LICS '97. Proceedings., 12th Annual IEEE 29 June-2 July 1997 Page(s):88 - 98 Digital Object Identifier 10.1109/LICS.1997.614938 AbstractPlus | Full Text: PDF(892 KB) IEEE CNF Rights and Permissions

## 12. Correctness verification of VLSI modules supported i Boolean prover

Lammens, P.; Claesen, L.; De Man, H.; Computer Design: VLSI in Computers and Processors, 1989. ICCD '89. Proce International Conference on 2-4 Oct. 1989 Page(s):266 - 269 Digital Object Identifier 10.1109/ICCD.1989.63368 AbstractPlus | Full Text: PDF(340 KB) IEEE CNF Rights and Permissions

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Lau, M.F.; Liu, Y.; Yu, Y.T.; Quality Software, 2007. QSIC '07. Seventh International Conference on 11-12 Oct. 2007 Page(s):117 - 126 Digital Object Identifier 10.1109/QSIC.2007.4385487 AbstractPlus | Full Text: PDF(220 KB) IEEE CNF Rights and Permissions

#### 14. Rewrite systems for symbolic evaluation of C-like pre

Latendresse, M.; Software Maintenance and Reengineering, 2004. CSMR 2004. Proceedings. Conference on 2004 Page(s):165 - 173 Digital Object Identifier 10.1109/CSMR.2004.1281417

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#### 15. Beat: Boolean expression fault-based test case general

Chen, T.Y.; Grant, D.D.; Lau, M.F.; Ng, S.P.; Vasa, V.R.; Information Technology: Research and Education, 2003. Proceedings. ITRE2 Conference on 11-13 Aug. 2003 Page(s):625 - 629

Digital Object Identifier 10.1109/ITRE.2003.1270695 AbstractPlus | Full Text: PDF(526 KB) | IEEE CNF

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# ^{16.} Realization of Boolean Expressions by Atomic Digrap

Prather, R.E.; Casstevens, H.T.; Computers, IEEE Transactions on Volume C-27, Issue 8, Aug. 1978 Page(s):681 - 688 Digital Object Identifier 10.1109/TC.1978.1675174 AbstractPlus | Full Text: PDF(2199 KB) IEEE JNL Rights and Permissions

## 17. A composite mapping technique for simplification of Boolean expressions

Shafiqul Khalid, A.T.M.; Ahmed, F.; Karim, M.A.;

Aerospace and Electronics Conference, 1995, NAECON 1995., Proceedings

Volume 1, 22-26 May 1995 Page(s):256 - 262 vol.1

Digital Object Identifier 10.1109/NAECON.1995.521948

AbstractPlus | Full Text: PDF(440 KB) | IEEE CNF

#### 18. Calculating the Probability of Boolean Expression Be

Schneeweiss, W.G;
Reliability, IEEE Transactions on
Volume R-26, Issue 1, April 1977 Page(s):16 - 22
Digital Object Identifier 10.1109/TR.1977.5215064
AbstractPlus | Full Text: PDF(991 KB) IEEE JNL
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## 19. A Decomposition Method for Computing System Reli Boolean Expression

Nakazawa, Hayao; Reliability, IEEE Transactions on Volume R-26, Issue 4, Oct. 1977 Page(s):250 - 252 Digital Object Identifier 10.1109/TR.1977.5220143 AbstractPlus | Full Text: PDF(369 KB) IEEE JNL Rights and Permissions

## The testability-preserving concurrent decomposition of Boolean expressions

Rajski, J.; Vasudevamurthy, J.;
Computer-Aided Design of Integrated Circuits and Systems, IEEE Transaction
Volume 11, Issue 6, June 1992 Page(s):778 - 793
Digital Object Identifier 10.1109/43.137523

AbstractPlus | Full Text: PDF(1324 KB) | IEEE JNL
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### 21. Equivalence checking of combinational circuits using expression diagrams

Hulgaard, H.; Williams, P.F.; Andersen, H.R.;
Computer-Aided Design of Integrated Circuits and Systems, IEEE Transaction
Volume 18, Issue 7, July 1999 Page(s):903 - 917
Digital Object Identifier 10.1109/43.771175

AbstractPlus | Full Text: PDF(424 KB) | IEEE JNL
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# A channelless layout for multilevel synthesis with co

Saucier, G.; Leveugle, R.; Abouzeid, P.;

Computer Design: VLSI in Computers and Processors, 1989. ICCD '89. Proce International Conference on 2-4 Oct. 1989 Page(s):35 - 38 Digital Object Identifier 10.1109/ICCD.1989.63323

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#### 23. Enhanced TED: A New Data Structure for RTL Verific:

Lotfi-Kamran, P.; Massoumi, M.; Mirzaei, M.; Navabi, Z.; VLSI Design, 2008. VLSID 2008. 21st International Conference on 4-8 Jan. 2008 Page(s):481 - 486 Digital Object Identifier 10.1109/VLSI.2008.108

AbstractPlus | Full Text: PDF(1538 KB) | IEEE CNF

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## 24. A Study of Enhanced MC/DC Coverage Criterion for S

Jun-Ru Chang; Chin-Yu Huang;

Computer Software and Applications Conference, 2007. COMPSAC 2007. 31

Volume 1, 24-27 July 2007 Page(s):457 - 464 Digital Object Identifier 10.1109/COMPSAC.2007.44

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#### ^{25.} Analysis and implementation of public-key cryptosys Boolean satisfiability problem

Singh, S.;

Networks, 2005. Jointly held with the 2005 IEEE 7th Malaysia International Co Communication., 2005 13th IEEE International Conference on

Volume 2, 16-18 Nov. 2005 Page(s):6 pp.

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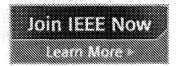
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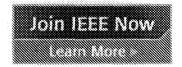
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April 1998 ACM-SE 36: Proceedings of the 36th annual Southeast regional

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R. K. Singh, Pravin Chandra, Yogesh Singh

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3 Indexing Boolean expressions

Steven Euijong Whang, Hector Garcia-Molina, Chad Brower, Jayavel Shann Erik Vee, Ramana Yerneni

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We consider the problem of efficiently indexing Disjunctive Normal Form Form (CNF) Boolean expressions over a high-dimensional multi-valued a find the set of Boolean expressions that ...

4 Efficient evaluation of Boolean expressions

V. Sinha, K. Vinod Kumar

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An algorithm for the generation of an optimal code applicable to a parse The algorithm generates the code during parsing itself.

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Keywords: Boolean expression, file organization, information retrieval,

7 On translation of Boolean expressions

H. H. Bottenbruch, A. A. Grau

July 1962 Communications of the ACM, Volume 5 Issue 7

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A program which translates an algorithmic language such as ALGOL into electronic computer performs the following functions: Analysis. From the are determined the ...

8 Evaluation of boolean expressions on one's complement machines

Peter L. Montgomery

December 1978 SIGPLAN Notices , Volume 13 Issue 12

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An algorithm is presented which evaluates an arbitrary boolean express and which often generates fewer instructions than other methods the at what code to generate whenever a boolean ...

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Jianhua Chen

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**Keywords**: Boolean expression minimization, generalization hierarchy,

10 A multimedia synchronization model described by Boolean expression Tatsuo Sato, Joung-Hoon Lim, Ken-ichi Okada, Yutaka Matsushita

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In this paper, a multimedia synchronization model is proposed. The pur temporal relationships(i.e. time ordering and synchronization for multim media. In the model, user interactions, ...

11 A new solution to test generation for Boolean expressions

Amit Paradkar

November 1995 CASCON '95: Proceedings of the 1995 conference of the C

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In this paper [1], we propose a new solution for generating test cases to we have reported algorithm BOR for generating test cases for predicate: predicates that contain only one occurrence ...

12 Computer expansion of Boolean expressions

Y. H. Chuang, C. C. Kao

June 1971 DAC '71: Proceedings of the 8th Design Automation Workshop

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A computer oriented algorithm for symbolically expanding Boolean expr "complement" operators into their disjuntive normal form is presented. in ...

13 Optimizing Boolean Expressions in Object-Bases

Alfons Kemper, Guido Moerkotte, Michael Steinbrunn

August 1992 VLDB '92: Proceedings of the 18th International Conference c Publisher: Morgan Kaufmann Publishers Inc.

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An Algorithm for Translating Boolean Expressions Bruce W. Arden, Bernard A. Galler, Robert M. Graham

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15 Compiling techniques for Boolean expressions and conditional states

H. D. Huskey, W. H. Wattenburg

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Delay fault test generation for scan/hold circuits using Boolean expre D. Bhattacharya, P. Agrawal, V. D. Agrawal

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Publisher: IEEE Computer Society Press Full text available: Pdf (611.83 KB)

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17 Simplification of the Covering Problem with Application to Boolean E

M. A. Breuer

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18 The Unison algorithm: fast evaluation of Boolean expressions

Rok Sosič, Jun Gu, Robert R. Johnson

October 1996 Transactions on Design Automation of Electronic System

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Full text available: Pdf (466.14 KB) Additional Information: full citation, abstract

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We present a Unison algorithm to evaluate arbitrarily complex Boolean based on the total differential of a Boolean function, enables fast evalua software. Any combination of Boolean operations ...

Keywords: Boolean differential, Boolean evaluation, Boolean expression

19 BLOSOM: a framework for mining arbitrary boolean expressions

Lizhuang Zhao, Mohammed J. Zaki, Naren Ramakrishnan

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We introduce a novel framework, called BLOSOM, for mining (frequent) valued datasets. We organize the space of boolean expressions into fou disjunctions, conjunction of disjunctions, ...

Keywords: boolean expression, closed itemsets, data mining, minimal

20 Generation of optimal code for expressions via factorization

Melvin A. Breuer

June 1969 Communications of the ACM , Volume 12 Issue 6

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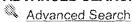
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**Keywords**: Boolean expression, file organization, information retrieval,

3 Approximate lineage for probabilistic databases

Christopher Ré, Dan Suciu

August 2008 Proceedings of the VLDB Endowment , Volume 1 Issue 1

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In probabilistic databases, *lineage* is fundamental to both query process Current systems s.a. Trio or Mystiq use a *complete approach* in which the formula which represents ...

4 A query language for a network data base with graphical entities

Richard L. Phillips

August 1977 **SIGGRAPH '77:** Proceedings of the 4th annual conference on techniques

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A generalized high level query language has been developed for use wit the CODASYL DBTG report. Of particular interest is the capability of mai language. The system was developed ...

**Keywords**: DBTG model, cartography, computer graphics, data base, c network model, query language

Also published in:

August 1977 SIGGRAPH Computer Graphics Volume 11 Issue 2

⁵ Context-aware scanning for parsing extensible languages

Eric R. Van Wyk, August C. Schwerdfeger

October 2007 **GPCE '07:** Proceedings of the 6th international conference or component engineering

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This paper introduces new parsing and context-aware scanning algorithments also information to disambiguate lexical syntax. The parser uses that passes to the scanner the set of valid ...

Keywords: context-aware scanning, extensible languages

⁶ Compressing inverted files in scalable information systems by binary

Chung-Hung Lai, Tien-Fu Chen

November 2001 **Supercomputing '01:** Proceedings of the 2001 ACM/IEEE (CDROM)

Publisher: ACM

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One of the key challenges of managing very huge volumes of data in sc providing fast access through keyword searches. The major data structules an inverted file, which records ...

Keywords: BDD, information retrieval, inverted file, scalable informatic

7 Queries-R-Links: graphical markup for text navigation

Gene Golovchinsky, Mark Chignell

May 1993 CHI '93: Proceedings of the INTERACT '93 and CHI '93 confer systems

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In this paper we introduce a style of interaction (interactive querying) the with Boolean querying, using direct markup of text to launch queries. W

compare the relative ease of expressing ...

**Keywords**: hypertext, navigation, pen-based interaction, querying, tex

8 Algorithms for parsing search queries in systems with inverted file or Jane W. S. Liu

December 1976 Transactions on Database Systems (TODS), Volume 1 Is:

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Full text available: Pdf (951.64 KB) Additional Information: full citation, abstrac

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In an inverted file system a query is in the form of a Boolean expression query the system accesses the inverted lists corresponding to the index from the merged list those records that ...

**Keywords**: inverted file systems, merge algorithms, parsing Boolean q

9 Improving user performance on Boolean gueries

John F. Pane, Brad A. Myers

April 2000 CHI '00: CHI '00 extended abstracts on Human factors in com

Publisher: ACM Prequest Permissions Full text available: Pdf (226.63 KB)

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The accurate formulation of boolean expressions is a notorious problem database and web query tools. Users have demonstrated great difficulty specifying these queries, which uses ...

**Keywords**: end-user programming, information retrieval, psychology o

10 Information retrieval in files described using sets

James W. Welch, J. Wesley Graham

May 1975 SIGMOD '75: Proceedings of the 1975 ACM SIGMOD internati

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**Keywords**: attributes, boolean functions, boolean gueries, file organiza file, multilist file, retrieval

11 Mind your vocabulary: query mapping across heterogeneous information Chen-Chuan K. Chang, Héctor García-Molina

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June 1999 SIGMOD '99: Proceedings of the 1999 ACM SIGMOD internati

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Additional Information: full citation, abstrac

Bibliometrics: Downloads (6 Weeks): 4, Downloads (12 Months): 36, Downloa

In this paper we present a mechanism for translating constraint queries constraints, across heterogeneous information sources. Integrating such they  $\dots$ 

Also published in:

June 1999 SIGMOD Record Volume 28 Issue 2

12 On extending the vector space model for Boolean query processing

S. K. M. Wong, W. Ziarko, V. V. Raghavan, P. C. N. Wong

September 1986 **SIGIR '86:** Proceedings of the 9th annual international AC development in information retrieval

Publisher: ACM • Request Permissions

Full text available: Pdf (1.07 MB) Addition

Additional Information: full citation, abstrac

Bibliometrics: Downloads (6 Weeks): 7, Downloads (12 Months): 58, Downloa

An information retrieval model, named the Generalized Vector Space Mc situations where queries are specified as (extended) Boolean expression unlike currently available alternatives,  $\dots$ 

13 Access path selection in a relational database management system

P. Griffiths Selinger, M. M. Astrahan, D. D. Chamberlin, R. A. Lorie, T. G. P May 1979 SIGMOD '79: Proceedings of the 1979 ACM SIGMOD international data

Publisher: ACM Prequest Permissions

Full text available: Pdf (1.31 MB) Additional Information: full citation, abstrac

Bibliometrics: Downloads (6 Weeks): 73, Downloads (12 Months): 676, Downloads

In a high level query and data manipulation language such as SQL, required without reference to access paths. This paper describes how System R  $\alpha$  (single relation) and complex queries (such ...

14 Concept based retrieval in classical IR systems

H. P. Giger May 1988

988 **SIGIR '88:** Proceedings of the 11th annual international ACM development in information retrieval

Publisher: ACM Request Permissions

Full text available: Pdf (1.46 MB) Additional Information: full citation, abstrac

Bibliometrics: Downloads (6 Weeks): 4, Downloads (12 Months): 40, Downloa

This paper describes some aspects of a project with the aim of developi classical Information Retrieval (IR) System in order to improve the effect character approach to IR ...

¹⁵ Definable relations and first-order query languages over strings

Michael Benedikt, Leonid Libkin, Thomas Schwentick, Luc Segoufin September 2003 Journal of the ACM (JACM), Volume 50 Issue 5

Publisher: ACM 

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Full text available: 

Pdf (587.44 KB)

Additional Information: full citation, abstrac

Bibliometrics: Downloads (6 Weeks): 7, Downloads (12 Months): 69, Downloa

We study analogs of classical relational calculus in the context of strings Taking a classical model-theoretic approach, we fix a set of string opera collection of definable relations. ...

Keywords: Strings, expressive power, first-order definability, quantifie

16 Boolean + ranking: querying a database by k-constrained optimizatic

Zhen Zhang, Seung-won Hwang, Kevin Chen-Chuan Chang, Min Wang, Chi

June 2006 SIGMOD '06: Proceedings of the 2006 ACM SIGMOD internati
data

Publisher: ACM Request Permissions
Full text available: Pdf (316.14 KB)

Additional Information: full citation, abstrac

Bibliometrics: Downloads (6 Weeks): 5, Downloads (12 Months): 104, Downlo

The wide spread of databases for managing structured data, compound Internet, has brought forward interesting data retrieval and analysis see queries often take the form ...

Keywords: A* search, constrained optimization, index, query processir

17 On using extended statistical queries to avoid membership queries Nader H. Bshouty, Vitaly Feldman

March 2002 The Journal of Machine Learning Research, Volume 2

Publisher: MIT Press

Full text available: Pdf (355.87 KB)

Additional Information: full citation, abstrac

Bibliometrics: Downloads (6 Weeks): 0, Downloads (12 Months): 14, Download

The Kushilevitz-Mansour (KM) algorithm is an algorithm that finds all th Boolean function. It is the main tool for learning decision trees and DNF respect to the uniform distribution. ...

18 An algebra for structured office documents

Ralf Hartmut Güting, Roberto Zicari, David M. Choy

April 1989 Transactions on Information Systems (TOIS), Volume 7 Iss

Publisher: ACM Prequest Permissions

Full text available: Pdf (2.57 MB)

Additional Information: full citation, abstrac

Bibliometrics: Downloads (6 Weeks): 3, Downloads (12 Months): 31, Downloa

We describe a data model for structured office information objects, whice and a practically useful algebraic language for the retrieval and manipulation viewed as hierarchical ...

19

A probabilistic relational algebra for the integration of information reti Norbert Fuhr, Thomas Rölleke

January 1997 Transactions on Information Systems (TOIS), Volume 15:

Publisher: ACM Propuest Permissions

Full text available: Pdf (2.10 MB) Additional Information: full citation, abstrac

Bibliometrics: Downloads (6 Weeks): 24, Downloads (12 Months): 151, Downloads

We present a probabilistic relational algebra (PRA) which is a generaliza PRA, tuples are assigned probabilistic weights giving the probability that on intensional semantics, ...

Keywords: hypertext retrieval, imprecise data, logical retrieval model, model, uncortain data, vague predicates

20 Path expressions for complex queries and automatic database progr Ben Shneiderman, Glenn Thomas

October 1980 VLDB '1980: Proceedings of the sixth international con Volume 6, Volume 6

Publisher: VLDB Endowment

Additional Information: full citation, abstract, references, index terms

Bibliometrics: Downloads (6 Weeks): n/a, Downloads (12 Months): n/a, Downloads

Our efforts to develop an automatic database system conversion facility language which was designed for ease of conversion. The path expressiconvenient and appealing notation for describing ...

Keywords: data definition language, data manipulation language, data path expressions, program conversion, query languages, transformation

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1 Natural-language retrieval of images based on descriptive captions

Eugene J. Guglielmo, Neil C. Rowe
July 1996 Transactions on Information Systems (TOIS), Volume 14 1

July 1996 Transactions on Info Publisher: ACM Request Permissions

Full text available: Pdf (572.05 KB)

Additional Information: full citation, abst

Bibliometrics: Downloads (6 Weeks): 6, Downloads (12 Months): 51, Downloa

We describe a prototype intelligent information retrieval system that usefficiently locate captioned data. Multimedia data generally require capt Such descriptive captions ...

Keywords: captions, multimedia database, type hierarchy

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² Semantic caching of Web queries

Boris Chidlovskii, Uwe M. Borghoff

March 2000 The VLDB Journal — The International Journal on Very

Publisher: Springer-Verlag New York, Inc. Full text available: Pdf (235.09 KB)

Additional Information: full citation, abst

Bibliometrics: Downloads (6 Weeks): 7, Downloads (12 Months): 52, Downloa

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In meta-searchers accessing distributed Web-based information reposite query processing requires an appropriate caching mechanism. Unfortunbased caching mechanisms ...

Keywords: Experiments, Query algorithms, Region containment, Sema

3 The complexity of XPath query evaluation and XML typing

Georg Gottlob, Christoph Koch, Reinhard Pichler, Luc Segoufin March 2005 Journal of the ACM (JACM), Volume 52 Issue 2

Publisher: ACM → Request Permissions Full text available: Pdf (447.53 KB)

Additional Information: full citation, abst

Bibliometrics: Downloads (6 Weeks): 10, Downloads (12 Months): 96, Downlo

We study the complexity of two central XML processing problems. The f been shown to be in PTIME in previous work. We prove that both the da XPath 1.0 fall into lower ...

Keywords: Complexity, DTD, LOGCFL, XML, XPath

4 XIRQL: An XML query language based on information retrieval conc Norbert Fuhr, Kai Großjohann

Transactions on Information Systems (TOIS), Volume 22 I April 2004

Publisher: ACM Request Permissions

Full text available: Pdf (281,91 KB)

Additional Information: full citation, abst

Bibliometrics: Downloads (6 Weeks): 11, Downloads (12 Months): 83, Downlo

XIRQL ("circle") is an XML query language that incorporates imprecision content-oriented query conditions. The corresponding uncertainty is har core features of XIRQL ...

**Keywords**: Path algebra, XML, XQuery, probabilistic retrieval, ranked r

5 Approximate query mapping: Accounting for translation closeness Kevin Chen-Chuan Chang, Héctor García-Molina

September 2001 The VLDB Journal — The International Journal on Ve Publisher: Springer-Verlag New York, Inc.

Full text available: Pdf (661.19 KB)

Additional Information: full citation, abst

Bibliometrics: Downloads (6 Weeks): 5, Downloads (12 Months): 22, Downloa

In this paper we present a mechanism for approximately translating Box information sources. Achieving the best translation is challenging becau formulating queries, ...

Keywords: Approximate query translation, Closeness, Constraint-maps

Optimizing object queries using an effective calculus

Leonidas Fegaras, David Maier

December 2000 Transactions on Database Systems (TODS), Volume 25 I

Publisher: ACM Request Permissions

Full text available: Pdf (641.65 KB)

Additional Information: full citation, abst

Bibliometrics: Downloads (6 Weeks): 11, Downloads (12 Months): 91, Downlo

Object-oriented databases (OODBs) provide powerful data abstractions lack a suitable framework for query processing and optimization. The de one of the key factors ...

Keywords: nested relations, object-oriented databases, query decorrel

7 Shortest-substring retrieval and ranking

Charles L. A. Clarke, Gordon V. Cormack

January 2000 Transactions on Information Systems (TOIS), Volume 18 1

Publisher: ACM A Request Permissions

Full text available: Pdf (228.35 KB) Additional Information: full citation, abst Bibliometrics: Downloads (6 Weeks): 7, Downloads (12 Months): 72, Downloa

We present a model for arbitrary passage retrieval using Boolean queric documents, or other structural elements, in the order of their expected truncation, and ...

Keywords: Boolean retrieval model, passage retrieval, relevance rankii

CANDID: preventing sql injection attacks using dynamic candidate e Sruthi Bandhakavi, Prithvi Bisht, P. Madhusudan, V. N. Venkatakrishnan October 2007 CCS '07: Proceedings of the 14th ACM conference on Compu

Publisher: ACM Request Permissions

Full text available: Pdf (426.01 KB)

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SQL injection attacks are one of the topmost threats for applications writhrough specially crafted user input on web applications that use low lever in this work, ...

Keywords: dynamic monitoring, retrofitting code, sql injection attacks,

Simulation-based verification using Temporally Attributed Boolean Logs
 S. K. Panda, Arnab Roy, P. P. Chakrabarti, Rajeev Kumar

September 2008 Transactions on Design Automation of Electronic Sys

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We propose a specification logic called Temporally Attributed Boolean (1 which allows us to: (i) represent assertions succinctly, (ii) incorporate d design intentions. ...

**Keywords**: Bus verification, instruction semantics verification, interrup simulation based verification, temporal logic, timing verification

10 Simple and safe SQL queries with c++ templates

Joseph (Yossi) Gil, Keren Lenz

October 2007 **GPCE '07:** Proceedings of the 6th international conference or engineering

Publisher: ACM Pequest Permissions

Full text available: Pdf (325.50 KB) Additional Information: full citation, abst

Bibliometrics: Downloads (6 Weeks): 18, Downloads (12 Months): 169, Downloads

Most software applications use a relational database for data management database is often done by letting the program construct strings with valexecution to the database ...

Keywords: C++, databases, domain specific languages, embedded lan equivalence, template programming

11 Execution strategies for SQL subqueries

Mostafa Elhemali, César A. Galindo-Legaria, Torsten Grabs, Milind M. Joshi June 2007 SIGMOD '07: Proceedings of the 2007 ACM SIGMOD internal

Publisher: ACM Request Permissions Full text available: Pdf (513.79 KB)

Additional Information: full citation, abst

Bibliometrics: Downloads (6 Weeks): 17, Downloads (12 Months): 168, Downloads

Optimizing SQL subqueries has been an active area in database researc last decades. Previous work has already identified some approaches to a satisfactory performance, ...

**Keywords:** microsoft SQL server, query optimization, relational databa

12 Type-checking OQL queries in the ODMG type systems

Suad Alagíc

September 1999 Transactions on Database Systems (TODS), Volume 24

Publisher: ACM Request Permissions Full text available: Pdf (224.69 KB)

Additional Information: full citation, abst

Bibliometrics: Downloads (6 Weeks): 9, Downloads (12 Months): 47, Download

Several negative results are proved about the ability to type-check quer object-oriented databases. The first of these negative results is that it is the type system ...

**Keywords**: C++, Java, ODMG standard, OQL, parametric polymorphisr

13 Video query processing in the VDBMS testbed for video database re Walid Aref, Moustafa Hammad, Ann Christine Catlin, Ihab Ilyas, Thanaa Gh November 2003 MMDB '03: Proceedings of the 1st ACM international works

Publisher: ACM Request Permissions Full text available: Pdf (357.93 KB)

Additional Information: full citation, abst

Bibliometrics: Downloads (6 Weeks): 5, Downloads (12 Months): 39, Downloa

The increased use of video data sets for multimedia-based applications database support, including efficient methods for handling the content-1 query processing presents ...

**Keywords**: continuous query, query processing, rank-join algorithm, st join algorithm

14 A self-managing data cache for edge-of-network web applications

Khalil Amiri, Sanghyun Park, Renu Tewari November 2002 CIKM '02: Proceedings of the eleventh international confer management

Publisher: ACM Request Permissions

Full text available: Pdf (340.44 KB)

Additional Information: full citation, abst

Bibliometrics: Downloads (6 Weeks): 2, Downloads (12 Months): 43, Downloa

Database caching at proxy servers enables dynamic content to be generimproving the scalability and response time of web applications. The scalability costs of their ...

Keywords: dynamic content, e-commerce, semantic caching

15 GPGPU: general purpose computation on graphics hardware

David Luebke, Mark Harris, Jens Krüger, Tim Purcell, Naga Govindaraju, Ia August 2004 **SIGGRAPH '04:** SIGGRAPH 2004 Course Notes

Publisher: ACM Request Permissions

Full text available: Pdf (63.03 MB)

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Bibliometrics: Downloads (6 Weeks): 135, Downloads (12 Months): 1446, Dov

The graphics processor (GPU) on today's commodity video cards has ev processor. The latest graphics architectures provide tremendous memor with fully programmable vertex ...

16 A language and framework for invariant-driven transformations

Yanhong A. Liu, Michael Gorbovitski, Scott D. Stoller
October 2009 GPCE '09: Proceedings of the eighth international conference engineering

Publisher: ACM Pequest Permissions
Full text available: Pdf (408.25 KB)

Additional Information: full citation, abst

Bibliometrics: Downloads (6 Weeks): 4, Downloads (12 Months): 12, Downloa

This paper describes a language and framework that allow coordinated specified declaratively, as invariant rules, and applied automatically. The maintenance of invariants for program ...

**Keywords**: incremental maintenance, invariants, program optimization checking

17 Identifying query incompatibilities with evolving XML schemas

Pierre Genevès, Nabil Layaïda, Vincent Quint August 2009 ICFP '09: Proceedings of the 14th ACM SIGPLAN international

Publisher: ACM ♦ Request Permissions
Full text available: Mp4 (23:40 MIN), Pdf (520.21 KB) Additional Information: full cita

Bibliometrics: Downloads (6 Weeks): 9, Downloads (12 Months): 116, Downlo

During the life cycle of an XML application, both schemas and queries m Schema evolutions may affect query results and potentially the validity assess and accommodate ... Keywords: XML, analysis, compatibility, evolution, queries, schema

Also published in:

August 2009 SIGPLAN Notices Volume 44 Issue 9

18 Queue: Volume 6 Issue 3

May 2008 Queue
Publisher: ACM

Full text available: Digital Edition, Pdf (5.56 MB) Additional Information: full citation

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19 Fast detection of communication patterns in distributed executions
Thomas Kunz, Michiel F. H. Seuren

November 1997 **CASCON '97:** Proceedings of the 1997 conference of the C research

Publisher: IBM Press

Full text available: Pdf (4.21 MB)

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Understanding distributed applications is a tedious and difficult task. Vis are often used to obtain a better understanding of the execution of the Poet, an event ...

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SQL injection attacks are one of the topmost threats for applications wri specially crafted user input on web applications that use low level string

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2 GPGPU: general purpose computation on graphics hardware

David Luebke, Mark Harris, Jens Krüger, Tim Purcell, Naga Govindaraju, Ia SIGGRAPH '04: SIGGRAPH 2004 Course Notes

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Bibliometrics: Downloads (6 Weeks): 135, Downloads (12 Months): 1446, Dov

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3 Simulation-based verification using Temporally Attributed Boolean Lo S. K. Panda, Arnab Roy, P. P. Chakrabarti, Rajeev Kumar

September 2008 Transactions on Design Automation of Electronic Sys

Publisher: ACM Nequest Permissions

Full text available: Pdf (1.49 MB)

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We propose a specification logic called Temporally Attributed Boolean (1 to: (i) represent assertions succinctly, (ii) incorporate data-orientation a

Keywords: Bus verification, instruction semantics verification, interrup based verification, temporal logic, timing verification

4

Execution strategies for SQL subqueries

Mostafa Elhemali, César A. Galindo-Legaria, Torsten Grabs, Milind M. Joshi June 2007 SIGMOD '07: Proceedings of the 2007 ACM SIGMOD intern

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Keywords: microsoft SQL server, query optimization, relational databa

Fast detection of communication patterns in distributed executions Thomas Kunz, Michiel F. H. Seuren

November 1997 CASCON '97: Proceedings of the 1997 conference of the C

Publisher: IBM Press

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7 Communications of the ACM: Volume 51 Issue 12

December 2008 Communications of the ACM

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Bibliometrics: Downloads (6 Weeks): 471, Downloads (12 Months): 3165, Dov

C and tcc: a language and compiler for dynamic code generation

Massimiliano Poletto, Wilson C. Hsieh, Dawson R. Engler, M. Frans Kaashoe

March 1999

Transactions on Programming Languages and System

Publisher: ACM Pequest Permissions Full text available: Pdf (471.68 KB)

Additional Information: full citation

Bibliometrics: Downloads (6 Weeks): 9, Downloads (12 Months): 98, Downloa

Dynamic code generation allows programmers to use run-time informat superior to those of static code. The 'C(Tick C) language is a superset or

Keywords: ANSI C, compilers, dynamic code generation, dynamic code

9 Analyzing recursive programs using a fixed-point calculus

Page 3 of 6 <u>Salvatore La Torre, Madhusudan Parthasarathy, Gennaro Parlato</u> PLDI '09: Proceedings of the 2009 ACM SIGPLAN conference Publisher: ACM Pequest Permissions Full text available: Pdf (451.55 KB) Additional Information: full citation Bibliometrics: Downloads (6 Weeks): 15, Downloads (12 Months): 125, Downloads We show that recursive programs where variables range over finite dom describing the analysis algorithm using a formula in a fixed-point calcul-**Keywords**: abstraction, logic, model-checking, mu-calculus, recursive:

Also published in:

May 2009 SIGPLAN Notices Volume 44 Issue 6

10 Conditional functional dependencies for capturing data inconsistencial Wenfei Fan, Floris Geerts, Xibei Jia, Anastasios Kementsietsidis

June 2008 Transactions on Database Systems (TODS), Volume 33 Is Publisher: ACM Request Permissions

Full text available: Pdf (831.51 KB) Additional Information: full citation

Bibliometrics: Downloads (6 Weeks): 31, Downloads (12 Months): 270, Downloads

We propose a class of integrity constraints for relational databases, refe study their applications in data cleaning. In contrast to traditional functi

Keywords: Data cleaning, SQL, functional dependency

11 Relational profiling: enabling thread-level parallelism in virtual machine Timothy Heil, James E. Smith

December 2000 MICRO 33: Proceedings of the 33rd annual ACM/IEEE inte Publisher: ACM

Full text available: Publisher Site, Pdf (237.19 KB), Ps (1.61 MB) Additional Info

Bibliometrics: Downloads (6 Weeks): 2, Downloads (12 Months): 32, Downloa

12 Guide for the use of the Ada Ravenscar Profile in high integrity syste

Alan Burns, Brian Dobbing, Tullio Vardanega June 2004 SIGAda Ada Letters, Volume XXIV Issue 2

Publisher: ACM

Full text available: Pdf (548.17 KB) Additional Information: full citation, reference

Bibliometrics: Downloads (6 Weeks): 6, Downloads (12 Months): 48, Download

13 EXE: Automatically Generating Inputs of Death

Cristian Cadar, Vijay Ganesh, Peter M. Pawlowski, David L. Dill, Dawson R. December 2008 Transactions on Information and System Security (T) Publisher: ACM Pequest Permissions

Full text available: Pdf (631.32 KB)

Additional Information: full citation

Bibliometrics: Downloads (6 Weeks): 26, Downloads (12 Months): 273, Downloads

This article presents EXE, an effective bug-finding tool that automaticall code on manually or randomly constructed input, EXE runs it on symbol

**Keywords**: attack generation, bug finding, constraint solving, dynamic

14 Saturn: A scalable framework for error detection using Boolean satis Yichen Xie, Alex Alken

May 2007 Transactions on Programming Languages and System Publisher: ACM Pequest Permissions

Full text available: Pdf (742.22 KB) Additional Information: full citation

Bibliometrics: Downloads (6 Weeks): 18, Downloads (12 Months): 104, Downloads

This article presents Saturn, a general framework for building precise ar recent advances in Boolean satisfiability (SAT) solvers and is path sensi-

Keywords: Boolean satisfiability, Program analysis, error detection

15 HOTTest: A model-based test design technique for enhanced testing Avik Sinha, Carol Smidts

Transactions on Software Engineering and Methodolog July 2006

Publisher: ACM Pequest Permissions

Full text available: Pdf (1.40 MB) Additional Information: full citation

Bibliometrics: Downloads (6 Weeks): 18, Downloads (12 Months): 213, Downl

Model-based testing is an effective black-box test generation technique however, fail to capture implicit domain-specific properties, as they ove

Keywords: Haskell, HaskellDB, Test case generation, database-specific specific testing, model-based testing, test generation tools

16 Processing set expressions over continuous update streams

Sumit Ganguly, Minos Garofalakis, Rajeev Rastogi

SIGMOD '03: Proceedings of the 2003 ACM SIGMOD intern

Publisher: ACM Request Permissions

Full text available: Pdf (283.28 KB) Additional Information: full citation

Bibliometrics: Downloads (6 Weeks): 4, Downloads (12 Months): 30, Downloa

There is growing interest in algorithms for processing and querying cont fixed order) with limited memory resources. In its most general form, a

17 EXE: automatically generating inputs of death

Cristian Cadar, Vijay Ganesh, Peter M. Pawlowski, David L. Dill, Dawson R. October 2006 CCS '06: Proceedings of the 13th ACM conference on Comp

Publisher: ACM Pequest Permissions

Full text available: Pdf (406.51 KB) Additional Information: full citation

Bibliometrics: Downloads (6 Weeks): 19, Downloads (12 Months): 116, Downl

This paper presents EXE, an effective bug-finding tool that automatically code on manually or randomly constructed input, EXE runs it on symbol

Keywords: attack generation, bug finding, constraint solving, dynamic

18 Software model checking

Ranjit Jhala, Rupak Majumdar

October 2009 Computing Surveys (CSUR), Volume 41 Issue 4

Publisher: ACM Request Permissions Full text available: Pdf (815.33 KB)

Additional Information: full citation

Bibliometrics: Downloads (6 Weeks): 208, Downloads (12 Months): 860, Down

We survey recent progress in software model checking.

**Keywords**: Software model checking, abstraction, counterexample-guiliveness, safety

19 Scalable error detection using boolean satisfiability

Yichen Xie, Alex Aiken

January 2005 POPL '05: Proceedings of the 32nd ACM SIGPLAN-SIGACT:

Publisher: ACM → Request Permissions Full text available: 1276.56 KB)

Additional Information: full citation

Bibliometrics: Downloads (6 Weeks): 10, Downloads (12 Months): 84, Downlo

We describe a software error-detection tool that exploits recent advance path sensitive, precise down to the bit level, and models pointers and he

Keywords: boolean satisfiability, error detection, program analysis

Also published in:

January 2005 SIGPLAN Notices Volume 40 Issue 1

20 A system for the static analysis of XPath

Pierre Genevès, Nabil Layaïda

October 2006 Transactions on Information Systems (TOIS), Volume 24

Publisher: ACM Request Permissions

Full text available: Pdf (1.31 MB)

Additional Information: full citation

Bibliometrics: Downloads (6 Weeks): 11, Downloads (12 Months): 59, Downlo

XPath is the standard language for navigating XML documents and return complete decision procedure for containment of XPath queries, as well  $\epsilon$  satisfiability,  $\dots$ 

Keywords: Containment, XML, XPath, equivalence, logic, query

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1 GPGPU: general purpose computation on graphics hardware

David Luebke, Mark Harris, Jens Krüger, Tim Purcell, Naga Govindaraju, Ia August 2004 SIGGRAPH '04: SIGGRAPH 2004 Course Notes

Publisher: ACM Request Permissions

Full text available: Pdf (63,03 MB)

Additional Information: full citation

Bibliometrics: Downloads (6 Weeks): 135, Downloads (12 Months): 1446, Dov

The graphics processor (GPU) on today's commodity video cards has ev latest graphics architectures provide tremendous memory bandwidth ar vertex ...

² Fast detection of communication patterns in distributed executions Thomas Kunz, Michiel F. H. Seuren

November 1997 CASCON '97: Proceedings of the 1997 conference of the C Publisher: IBM Press

Full text available; Pdf (4.21 MB)

Additional Information: full citation

Bibliometrics: Downloads (6 Weeks): 26, Downloads (12 Months): 348, Downloads

Understanding distributed applications is a tedious and difficult task. Vis to obtain a better understanding of the execution of the application. The

3 C and tcc: a language and compiler for dynamic code generation

Massimiliano Poletto, Wilson C. Hsieh, Dawson R. Engler, M. Frans Kaashoe March 1999 Transactions on Programming Languages and System

Publisher: ACM Prequest Permissions

Full text available: Pdf (471.68 KB)

Additional Information: full citation

Bibliometrics: Downloads (6 Weeks): 9, Downloads (12 Months): 98, Download

Dynamic code generation allows programmers to use run-time informat superior to those of static code. The 'C(Tick C) language is a superset of

Keywords: ANSI C, compilers, dynamic code generation, dynamic code

4 Relational profiling: enabling thread-level parallelism in virtual machine Timothy Heil, James E. Smith

December 2000 MICRO 33: Proceedings of the 33rd annual ACM/IEEE inte-

Full text available: Publisher Site , Pdf (237.19 KB), Ps (1.61 MB) Additional Info

Bibliometrics: Downloads (6 Weeks): 2, Downloads (12 Months): 32, Downloa

⁵ Guide for the use of the Ada Ravenscar Profile in high integrity syste

Alan Burns, Brian Dobbing, Tullio Vardanega

June 2004 SIGAda Ada Letters, Volume XXIV Issue 2

Publisher: ACM

Full text available: Pdf (548.17 KB)

Additional Information: full citation, reference

Bibliometrics: Downloads (6 Weeks): 6, Downloads (12 Months): 48, Downloa

6 Processing set expressions over continuous update streams

Sumit Ganguly, Minos Garofalakis, Rajeev Rastogi

June 2003 SIGMOD '03: Proceedings of the 2003 ACM SIGMOD intern

Publisher: ACM Request Permissions

Full text available: Pdf (283.28 KB)

Additional Information: full citation

Bibliometrics: Downloads (6 Weeks): 4, Downloads (12 Months): 30, Downloa

There is growing interest in algorithms for processing and querying confixed order) with limited memory resources. In its most general form, a

7 A graph based architectural (Re)configuration language

Michel Wermelinger, Antónia Lopes, José Luiz Fiadeiro

September 2001 **ESEC/FSE-9:** Proceedings of the 8th European software e international symposium on Foundations of software engin

Publisher: ACM Preguest Permissions

Full text available: Pdf (188.19 KB) Additional Information: full citation

Bibliometrics: Downloads (6 Weeks): 2, Downloads (12 Months): 32, Downloa

For several different reasons, such as changes in the business or technologies to evolve during execution. Support for such evolution can be con-

Also published in:

September 2001 SIGSOFT Software Engineering Notes Volume 26 Issue 5

8 A framework for modeling and implementing visual notations with ap

Gennaro Costagliola, Vincenzo Deufemia, Giuseppe Polese
October 2004 Transactions on Software Engineering and Methodolo

Publisher: ACM Request Permissions
Full text available: Pdf (3.77 MB)

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Additional Information: full citation

Bibliometrics: Downloads (6 Weeks): 14, Downloads (12 Months): 173, Downl

We present a framework for modeling visual notations and for generatir framework can be used for modeling the diagrammatic notations of soft

Keywords: LR parsing, UML, meta-CASE, metamodeling, software engi

Defining interaction protocols using a commitment-based agent com
 Nicoletta Fornara, Marco Colombetti

July 2003 **AAMÁS '03:** Proceedings of the second international joint o

Publisher: ACM Pequest Permissions
Full text available: Pdf (283.27 KB)

Additional Information: full citation

Bibliometrics: Downloads (6 Weeks): 6, Downloads (12 Months): 54, Downloa

We propose a method for the definition of *interaction protocols* to be us assumption that *language* is the fundamental component of every interaction.

**Keywords:** agent communication language, auction, commitment, comsystem

10 Silhouette maps for improved texture magnification

Pradeep Sen

August 2004 HWWS '04: Proceedings of the ACM SIGGRAPH/EUROGRAP

Publisher: ACM

Full text available: Pdf (14.00 MB)

Additional Information: full citation

Bibliometrics: Downloads (6 Weeks): 5, Downloads (12 Months): 35, Downloads

Texture mapping is a simple way of increasing visual realism without ad process, it is important to properly filter samples when the sampling rat

11 An XML query engine for network-bound data

Zachary G. Ives, A. Y. Halevy, D. S. Weld

December 2002 The VLDB Journal — The International Journal on Ver

Publisher: Springer-Verlag New York, Inc.

Full text available: Pdf (351.86 KB)

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Bibliometrics: Downloads (6 Weeks): 3, Downloads (12 Months): 112, Downlo

XML has become the lingua franca for data exchange and integration ac data providers are adding XML import or export capabilities, and standa types ...

Keywords: Data integration, Data streams, Query processing, Web and

12 Algorithms for computing the static single assignment form

Gianfranco Bilardi, Keshav Pingali

May 2003 Journal of the ACM (JACM), Volume 50 Issue 3

Publisher: ACM Request Permissions
Full text available: Pdf (576.44 KB)

Additional Information: full citation

Bibliometrics: Downloads (6 Weeks): 9, Downloads (12 Months): 99, Downloa

The Static Single Assignment (SSA) form is a program representation u: converting a program to SSA form is called  $\phi$ -placement. Many algorith

Keywords: Control dependence, optimizing compilers, program optimiz

form

13 Tracking set-expression cardinalities over continuous update stream Sumit Ganguly, Minos Garofalakis, Rajeev Rastogi

December 2004 The VLDB Journal — The International Journal on Ver Publisher: Springer-Verlag New York, Inc.

Full text available: Pdf (322.42 KB)

Additional Information: full citation

Bibliometrics: Downloads (6 Weeks): 3, Downloads (12 Months): 12, Downloa

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Keywords: Approximate query processing, Data streams, Data synopsi

14 A comprehensive XQuery to SQL translation using dynamic interval

David DeHaan, David Toman, Mariano P. Consens, M. Tamer Özsu June 2003 SIGMOD '03: Proceedings of the 2003 ACM SIGMOD intern

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Bibliometrics: Downloads (6 Weeks): 14, Downloads (12 Months): 67, Downlo

The W3C XQuery language recommendation, based on a hierarchical an constructs and use cases. There is a diversity of approaches and strateg dealing ...

15 Optimal control dependence computation and the Roman chariots pr ** Keshav Pingali, Gianfranco Bilardi

May 1997 Transactions on Programming Languages and System Publisher: ACM Requisit Permissions

Full text available: Pdf (631.97 KB)

Additional Information: full citation

Bibliometrics: Downloads (6 Weeks): 6, Downloads (12 Months): 74, Downloa

The control dependence relation plays a fundamental role in program re this relation is the control dependence graph (CDG), but the size of the

Keywords: compilers, control dependence, program optimization, prog

16 Computing curricula 2001

CORPORATE The Joint Task Force on Computing Curricula

September 2001 Journal on Educational Resources in Computing (JER Publisher: ACM Request Permissions

Full text available: Full (2.78 KB), Pdf (613.63 KB) Additional Information: full citatic

Bibliometrics: Downloads (6 Weeks): 93, Downloads (12 Months): 1086, Down

17 Selection conditions in main memory

Kenneth A. Ross

March 2004 Transactions on Database Systems (TODS), Volume 29 Is Publisher: ACM Request Permissions

Full text available: Pdf (296.54 KB)

Additional Information: full citation

Bibliometrics: Downloads (6 Weeks): 5, Downloads (12 Months): 90, Download

We consider the fundamental operation of applying a compound filtering available cheaply, systems may choose to keep the data entirely in mair performance.The ...

Keywords: Branch misprediction

18 Level set and PDE methods for computer graphics

David Breen, Ron Fedkiw, Ken Museth, Stanley Osher, Guillermo Sapiro, Ro SIGGRAPH '04: SIGGRAPH 2004 Course Notes August 2004

Publisher: ACM Request Permissions Full text available: Pdf (17.07 MB)

Additional Information: full citation

Bibliometrics: Downloads (6 Weeks): 98, Downloads (12 Months): 970, Downl

Level set methods, an important class of partial differential equation (PI set (iso-surface) of a sampled, evolving nD function. The course begins

19 Commutativity analysis: a new analysis technique for parallelizing co

Pedro C. Diniz / Martin C. Rinard

November 1997 Transactions on Programming Languages and System

Publisher: ACM Request Permissions Full text available: Pdf (472.62 KB)

Additional Information: full citation

Bibliometrics: Downloads (6 Weeks): 7, Downloads (12 Months): 65, Downloa

This article presents a new analysis technique, commutativity analysis, dynamic, pointer-based data structures. Commutativity analysis views t

Keywords: parallel computing

20 Real-time shading

Marc Olano, Kurt Akeley, John C. Hart, Wolfgang Heidrich, Michael McCool,

August 2004 SIGGRAPH '04: SIGGRAPH 2004 Course Notes

Publisher: ACM Pequest Permissions

Full text available: Pdf (7.39 MB) Additional Information: full citation

Bibliometrics: Downloads (6 Weeks): 49, Downloads (12 Months): 606, Downloads

Real-time procedural shading was once seen as a distant dream. When real-time shading was possible, but only with one-of-a-kind hardware or rendering ...

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Zachary G. Ives, A. Y. Halevy, D. S. Weld

December 2002 The VLDB Journal — The International Journal on Ver Publisher: Springer-Verlag New York, Inc.

Full text available: Pdf (351.86 KB)

Additional Information: full citation, abstract

Additional Information: full citation, abstract

Bibliometrics: Downloads (6 Weeks): 3, Downloads (12 Months): 112, Downlo

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Keywords: Data integration, Data streams, Query processing, Web and

2 The complexity of acyclic conjunctive queries

Georg Gottlob, Nicola Leone, Francesco Scarcello May 2001

Journal of the ACM (JACM), Volume 48 Issue 3

Publisher: ACM Request Permissions: Full text available: Pdf (566.16 KB)

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**Keywords**: CSP, LOGCFL, acyclic hypergraph, algorithm, bounded tree constraint satisfaction problem, database theory, degree of cyclicity, hir containment, qury-idth, subsumption, tree query

3 Semantic caching of Web gueries

Boris Chidlovskii, Uwe M. Borghoff

March 2000 The VLDB Journal - The International Journal on Very L Publisher: Springer-Verlag New York, Inc.

Full text available: Pdf (235.09 KB) Additional Information: full citation, abstract

Bibliometrics: Downloads (6 Weeks): 7, Downloads (12 Months): 52, Downloa

In meta-searchers accessing distributed Web-based information reposite Efficient query processing requires an appropriate caching mechanism. Well as tuple-based caching mechanisms ...

Keywords: Experiments, Query algorithms, Region containment, Sema

PSoup: a system for streaming queries over streaming data Sirish Chandrasekaran, Michael J. Franklin

August 2003 The VLDB Journal — The International Journal on Very I Publisher: Springer-Verlag New York, Inc.

Full text available: Pdf (267.99 KB)

Additional Information: full citation, abstrac

Bibliometrics: Downloads (6 Weeks): 3, Downloads (12 Months): 41, Downloa

Abstract.Recent work on querying data streams has focused on systems and continuously streamed to the user in real time. In many emerging a and/or intermittent connectivity also ...

Keywords: Disconnected operation, Query-data duality, Stream query

⁵ GPGPU: general purpose computation on graphics hardware

David Luebke, Mark Harris, Jens Krüger, Tim Purcell, Naga Govindaraju, Ia August 2004 **SIGGRAPH '04:** SIGGRAPH 2004 Course Notes

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Full text available: Pdf (63.03 MB)

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The graphics processor (GPU) on today's commodity video cards has ev flexible processor. The latest graphics architectures provide tremendous horsepower, with fully programmable vertex ...

6 XIRQL: An XML query language based on information retrieval conc Norbert Fuhr, Kai Groβjohann

April 2004 Transactions on Information Systems (TOIS), Volume 22 Is Publisher: ACM Request Permissions

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Full text available: Pdf (281.91 KB)

Additional Information: full citation, abstract

Bibliometrics: Downloads (6 Weeks): 11, Downloads (12 Months): 83, Downlo

XIRQL ("circle") is an XML query language that incorporates imprecision content-oriented query conditions. The corresponding uncertainty is har model. The core features of XIRQL ...

Keywords: Path algebra, XML, XQuery, probabilistic retrieval, ranked r

Optimizing object queries using an effective calculus

Leonidas Fegaras, David Maier

December 2000 Transactions on Database Systems (TODS), Volume 25 I

Publisher: ACM Prequest Permissions

Full text available: Pdf (641.65 KB)

Additional Information: full citation, abstraction

Bibliometrics: Downloads (6 Weeks): 11, Downloads (12 Months): 91, Downlo

Object-oriented databases (OODBs) provide powerful data abstractions generally lack a suitable framework for query processing and optimization query optimizer is one of the key factors ...

Keywords: nested relations, object-oriented databases, query decorrel

On relational support for XML publishing: beyond sorting and tagging Surajit Chaudhuri, Raghav Kaushik, Jeffrey F. Naughton

June 2003 SIGMOD '03: Proceedings of the 2003 ACM SIGMOD international data

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In this paper, we study whether the need for efficient XML publishing br relational query engines, or if sorting query results in the relational eng sufficient. We observe that the mismatch ...

Definable relations and first-order query languages over strings
Michael Benedikt, Leonid Libkin, Thomas Schwentick, Luc Segoufin
September 2003 Journal of the ACM (JACM), Volume 50 Issue 5

Publisher: ACM Request Permissions
Full text available: Pdf (587.44 KB)

Additional Information: full citation, abstract

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We study analogs of classical relational calculus in the context of strings Taking a classical model-theoretic approach, we fix a set of string opera collection of definable relations. ...

Keywords: Strings, expressive power, first-order definability, quantifie

10 Approximate query mapping: Accounting for translation closeness Kevin Chen-Chuan Chang, Héctor García-Molina

September 2001 The VLDB Journal — The International Journal on Ve

Publisher: Springer-Verlag New York, Inc.

Full text available: Pdf (661.19 KB) Additional Information: full citation, abstract

Bibliometrics: Downloads (6 Weeks): 5, Downloads (12 Months): 22, Downloa

In this paper we present a mechanism for approximately translating Bor heterogeneous information sources. Achieving the best translation is chalfferent constraints for formulating queries, ...

Keywords: Approximate query translation, Closeness, Constraint-maps

11 Relational queries over interpreted structures

Michael Benedikt, Leonid Libkin

July 2000 Journal of the ACM (JACM), Volume 47 Issue 4

Publisher: ACM Request Permissions
Full text available: Pdf (455.92 KB)

Additional Information: full citation, abstract

Bibliometrics: Downloads (6 Weeks): 6, Downloads (12 Months): 46, Download

We rework parts of the classical relational theory when the underlying d interpreted operations that can be used in queries. We identify parts of before' when interpreted structure ...

Keywords: 0-minimality, collapse results, constraints, quantifier elimin

12 A comprehensive XQuery to SQL translation using dynamic interval

David DeHaan, David Toman, Mariano P. Consens, M. Tamer Özsu

June 2003 SIGMOD '03: Proceedings of the 2003 ACM SIGMOD internati

data

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Additional Information: full citation, abstract

Bibliometrics: Downloads (6 Weeks): 14, Downloads (12 Months): 67, Downlo

The W3C XQuery language recommendation, based on a hierarchical an wide variety of constructs and use cases. There is a diversity of approac XQuery expressions, in many cases only dealing ...

Video query processing in the VDBMS testbed for video database re Walid Aref, Moustafa Hammad, Ann Christine Catlin, Ihab Ilyas, Thanaa Gharzouk

November 2003 MMDB '03: Proceedings of the 1st ACM international works

Publisher: ACM Request Permissions
Full text available: Pdf (357.93 KB)

Additional Information: full citation, abstract

Bibliometrics: Downloads (6 Weeks): 5, Downloads (12 Months): 39, Downloa

The increased use of video data sets for multimedia-based applications database support, including efficient methods for handling the content-l Video query processing presents ...

**Keywords**: continuous query, query processing, rank-join algorithm, st window-join algorithm

14 The complexity of XPath query evaluation

Georg Gottlob, Christoph Koch, Reinhard Pichler

June 2003 **PODS '03:** Proceedings of the twenty-second ACM SIGMOD-S of database systems

Publisher: ACM ARequest Permissions

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In this paper, we study the precise complexity of XPath 1.0 query proce incorporation into a variety of XML-related standards, the precise cost o wellunderstood. The first polynomial-time ...

# 15 Real-time shading

Marc Olano, Kurt Akeley, John C. Hart, Wolfgang Heidrich, Michael McCool, August 2004 SIGGRAPH '04: SIGGRAPH 2004 Course Notes

Publisher: ACM Request Permissions

Full text available: Pdf (7.39 MB) Additional Information: full citation, abstract

Bibliometrics: Downloads (6 Weeks): 49, Downloads (12 Months): 606, Downloads

Real-time procedural shading was once seen as a distant dream. When offered four years ago, real-time shading was possible, but only with on the effects of tens to hundreds of rendering ...

# 16 Processing set expressions over continuous update streams

Sumit Ganguly, Minos Garofalakis, Rajeev Rastogi

June 2003 SIGMOD '03: Proceedings of the 2003 ACM SIGMOD internati

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Full text available: Pdf (283.28 KB) Additional Information: full citation, abstract

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There is growing interest in algorithms for processing and querying cont seen only once in a fixed order) with limited memory resources. In its n actually an update stream, ...

#### 17 Jedd: a BDD-based relational extension of Java

Ondřej Lhoták, Laurie Hendren

June 2004 PLDI '04: Proceedings of the ACM SIGPLAN 2004 conference implementation

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Bibliometrics: Downloads (6 Weeks): 12, Downloads (12 Months): 53, Downlo

In this paper we present Jedd, a language extension to Java that suppo with Binary Decision Diagrams (BDDs). The Jedd language abstracts BD operations on relations, and provides static ...

Keywords: Java, binary decision diagrams, boolean formula satisfiabili relations

Also published in:

June 2004 SIGPLAN Notices Volume 39 Issue 6

18 Alloy: a lightweight object modelling notation

Daniel Jackson

April 2002 Transactions on Software Engineering and Methodology

Publisher: ACM ? Request Permissions

Full text available: Additional Information: Pdf (346.87 KB)

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Alloy is a little language for describing structural properties. It offers a c graphical object models, and a set-based formula syntax powerful enouyet amenable to a fully automatic ...

Keywords: Object models, Z specification language, first-order logic

19 An Internet-based negotiation server for e-commerce

Stanley Y.W. Su, Chunbo Huang, Joachim Hammer, Yihua Huang, Haifei Li, <u>Pluempitiwiriyawej</u>, <u>Minsoo Lee</u>, <u>Herman Lam</u>

August 2001 The VLDB Journal - The International Journal on Very I Publisher: Springer-Verlag New York, Inc.

Full text available: Pdf (355.19 KB)

Additional Information: full citation, abstract

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This paper describes the design and implementation of a replicable, Inte conducting bargaining-type negotiations between enterprises involved in Enterprises can be buyers and sellers of products/services ...

**Keywords**: Constraint evaluation, Cost- benefit analysis, Database, E-c strategy, Negotiation protocol

20 Beyond intratransaction association analysis: mining multidimension. Hongjun Lu, Ling Feng, Jiawei Han

October 2000 Transactions on Information Systems (TOIS), Volume 18:

Publisher: ACM Request Permissions

Full text available: Pdf (1.31 MB) Additional Information: full citation, abstract

Bibliometrics: Downloads (6 Weeks): 15, Downloads (12 Months): 129, Downloads

In this paper, we extend the scope of mining association rules from trac intratransaction associations, to multidimensional intertransaction association are the associations among items with ...

**Keywords**: association rules, data mining, intra/intertransaction, multi-

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Zachary G. Ives, A. Y. Halevy, D. S. Weld

December 2002 The VLDB Journal — The International Journal on Ver

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⁵ On relational support for XML publishing: beyond sorting and tagging

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Leonidas Fegaras, David Maier

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8 Definable relations and first-order query languages over strings Michael Benedikt, Leonid Libkin, Thomas Schwentick, Luc Segoufin

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Full text available: Pdf (455.92 KB) Additional Information: full citation, abstract

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We rework parts of the classical relational theory when the underlying d interpreted operations that can be used in queries. We identify parts of before' when interpreted structure ...

Keywords: 0-minimality, collapse results, constraints, quantifier elimin

11 A comprehensive XQuery to SQL translation using dynamic interval David DeHaan, David Toman, Mariano P. Consens, M. Tamer Özsu

June 2003 SIGMOD '03: Proceedings of the 2003 ACM SIGMOD international data

Publisher: ACM Request Permissions Full text available: Pdf (242.20 KB)

Additional Information: full citation, abstract

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The W3C XQuery language recommendation, based on a hierarchical an wide variety of constructs and use cases. There is a diversity of approac XQuery expressions, in many cases only dealing ...

12 A performance study of four index structures for set-valued attributes Sven Helmer, Guido Moerkotte

October 2003 The VLDB Journal — The International Journal on Very

Publisher: Springer-Verlag New York, Inc. Full text available: Pdf (271.43 KB)

Additional Information: full citation, abstract

Bibliometrics: Downloads (6 Weeks): 4, Downloads (12 Months): 38, Downloa

Abstract. The efficient retrieval of data items on set-valued attributes is attracted little attention so far. We studied and modified four index stru signature trees, extendible ...

**Keywords:** Access methods, Database management systems, Index st attributes

The effectiveness of automatically structured queries in digital libraria Marcos André Gonçalves, Edward A. Fox, Aaron Krowne, Pável Calado, Alba Berthier Ribeiro-Neto

June 2004 JCDL '04: Proceedings of the 4th ACM/IEEE-CS joint conferen

Publisher: ACM A Request Permissions

Full text available: Pdf (295.40 KB)

Additional Information: full citation, abstract

Bibliometrics: Downloads (6 Weeks): 2, Downloads (12 Months): 44, Download

Structured or fielded metadata is the basis for many digital library servi Yet, little is known about the impact of using structure on the effectiven investigate a key research ...

Keywords: bayesian networks, digital libraries, structured queries

14 The complexity of XPath query evaluation

Georg Gottlob, Christoph Koch, Reinhard Pichler

June 2003 PODS '03: Proceedings of the twenty-second ACM SIGMOD-S of database systems

Publisher: ACM Request Permissions

Full text available: Pdf (258.64 KB)

Additional Information: full citation, abstrar

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In this paper, we study the precise complexity of XPath 1.0 query proce incorporation into a variety of XML-related standards, the precise cost o wellunderstood. The first polynomial-time ...

15 A perspective on inductive databases

Luc De Raedt

December 2002 SIGKDD Explorations Newsletter, Volume 4 Issue 2

Publisher: ACM

Full text available: Pdf (179.64 KB)

Additional Information: full citation, abstract

Bibliometrics: Downloads (6 Weeks): 4, Downloads (12 Months): 55, Downloa

Inductive databases tightly integrate databases with data mining. The k models) are handled in the same way and that an inductive query langumanipulate the patterns (or models) of ...

Keywords: constraint-based mining, inductive databases, inductive que

16 Compound descriptors in context: a matching function for classification Douglas Tudhope, Ceri Binding, Dorothee Blocks, Daniel Cunliffe

July 2002 JCDL '02: Proceedings of the 2nd ACM/IEEE-CS joint conferer

Publisher: ACM Request Permissions
Full text available: Pdf (315.09 KB)

Additional Information: full citation, abstract

Bibliometrics: Downloads (6 Weeks): 6, Downloads (12 Months): 35, Download

There are many advantages for Digital Libraries in indexing with classification disincentive in the lack of flexible retrieval tools that deal with compoun matching function for compound ...

**Keywords**: compound descriptors, faceted classification, knowledge or postcoordination, precoordination, semantic distance measures, similari

17 Real-time shading

Marc Olano, Kurt Akeley, John C. Hart, Wolfgang Heidrich, Michael McCool, August 2004 SIGGRAPH '04: SIGGRAPH 2004 Course Notes

Publisher: ACM Paguest Permissions

Full text available: Pdf (7.39 MB) Additional Information: full citation, abstract

Bibliometrics: Downloads (6 Weeks): 49, Downloads (12 Months): 606, Downloads

Real-time procedural shading was once seen as a distant dream. When offered four years ago, real-time shading was possible, but only with on the effects of tens to hundreds of rendering ...

18 Logics capturing local properties

Leonid Libkin

January 2001 Transactions on Computational Logic (TOCL), Volume 2 Is:

Publisher: ACM Request Permissions

Full text available: Pdf (186.32 KB) Additional Information: full citation, abstract

Bibliometrics: Downloads (6 Weeks): 11, Downloads (12 Months): 41, Downlo

Well-known theorems of Hanf and Gaifman establishing locality of firstused in many applications. These theorems were recently generalized to applications in descriptive complexity and ...

Keywords: counting, locality, logic

19 Alloy: a lightweight object modelling notation

Daniel Jackson

Transactions on Software Engineering and Methodology April 2002

Publisher: ACM Request Permissions

Full text available: Pdf (346.87 KB) Additional Information: full citation, abstract

Bibliometrics: Downloads (6 Weeks): 43, Downloads (12 Months): 238, Downloads

Alloy is a little language for describing structural properties. It offers a c graphical object models, and a set-based formula syntax powerful enou yet amenable to a fully automatic ...

Keywords: Object models, Z specification language, first-order logic

²⁰ Faceted metadata for image search and browsing

Ka-Ping Yee, Kirsten Swearingen, Kevin Li, Marti Hearst CHI '03: Proceedings of the SIGCHI conference on Human fac April 2003

Publisher: ACM Request Permissions Full text available: Pdf (823.20 KB)

Additional Information: full citation, abstract

Bibliometrics: Downloads (6 Weeks): 56. Downloads (12 Months): 465. Downloads

There are currently two dominant interface types for searching and brow based search, and searching by overall similarity to sample images. We enabling users to navigate along conceptual ...

Keywords: faceted metadata, image search interfaces

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Displaying records #1 through 10 out of 15

Relevance: (COCOC) Result # 1

# A COMPARISON OF TWO METHODS FOR BOOLEAN QUERY RELEVAN-

1983-07-31 IPCOM000148320D

.. READING ROOM . COMPUTER SCIENCE DEPARTMENT YALE UNIVERSITY BOOLXAB Voorhees TR 83-564 July 1983 Department of Computer Science Cornell UniversityIt Science, ...

Result # 2 Relevance: OCACAC

#### Advanced Feedback Methods in Information Retrieval

IPCOM000148324D

Advrnctd Feedback Kethods in Inforration Petrierrl E.A, FOX' E. Voorbees TB 83-570 Science Coraell UniversityIthaca, NY 14853 Department of Computer Science, Corne '~e~artnent of ...

Relevance: OO Result # 3

### Agent System for Gathering, Integrating, Relevance Ranking and Pi from Heterogeneous Information Sources

1998-01-01

IPCOM000122844D

Disclosed is an agent system that allows multiple heterogeneous information source: response to a user's query. A user enters a single query into the agent system. The the different ...

Result # 4 Relevance: (XX)

### Multi-search of video segments indexed by time-aligned annotation IPCOM000013063D

2000-03-01

This paper describes an approach to the design and implementation of a video conte efficient indexing and storing, and searching and browsing of video segments defined The annotation values ...

Relevance: 🚫 Result # 5

# The Use of Extended Boolean Logic in Informational Retrieval

IPCOM000148339D

The Ume of Extended Boolerr, Logic in Irforrrtion Petrierr1 Gerard Salton TR 84-588 Science Cornell UniversityIthaca, New York 14853 This study was supported in part I grant IST ...

Relevance: OO Result # 6

## Common Name Resolution Protocol (CNRP) (RFC3367)

2002-08-01

IPCOM000009617D

People often refer to things in the real world by a common name or phrase, e.g., a t These names are sometimes easier for people to remember and type than URLs. Fur URLs, companies and ...

Result # 7 Relevance: 🔇 🔠

# Naming and Directory Issues in Message Transfer Systems

1899-12-30 IPCOM000149103D

Naming and IDirectsry Issues in Mes.sage Transfer Systems Marvin A. Sirbu, Jr. Julic 81ciemce Massachusetts Institute sf Techn~legy Cambridge, Massachusetts CB.S.A.

requires some ...

Relevance: 🗯 👚 Result # 8

#### Characterization of Two New Experimental Collections in Computer **Containing Textual and Bibliographic Concepts**

1983-09-30

IPCOM000148311D

a Two new collections are described which are particularly uaefd for invmigating the bibliographic data in the automatic indexing and retrieval of documents. An extensio proposed whereby various types ...

Relevance: O Result # 9

#### Algorithms for Parsing Search Queries in Inverted File Document Ro 1975-11-30 IPCOM000151331D

Algorithms for Parsing Search Queries in Inverted File Document Retrieval Systems : the National Science Foundation under Grants NSF DCR 73-07980 and NSF DCR 72-1 inverted file ...

Result # 10 Relevance: 🔷

Koq This study ...

#### A GENERALIZED TERM DEPENDENCE MODEL IN INFORMATION RETI 1983-02-28 IPCOM000148304D

February 1983 TR 83-543 *Department of Information Engineering, University of Illi **Department of Computer Science Cornel | University I thacar NY 14853 **Departr

Displaying page 1 of 2 << FIRST | < BACK | NEXT > | LAST >>

Search query: boolean query

Published Before: 6-2-2004 (Original publication date )

New search | Modify this search | Search within current results



February 04, 2010

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A New Disclosure

#### Search By ...

Full Text Concept Document ID

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### No records matched your search.

Perhaps you should try a less restrictive query.

Search query: boolean query condition counter Published Before: 6-2-2004 (Original publication date )

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### No records matched your search.

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Search query: boolean query and condition counter Published Before: 6-2-2004 (Original publication date )

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**Search query:** boolean query and operator counter **Published Before:** 6-2-2004 (Original publication date )

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Search query: boolean query and relational counter Published Before: 6-2-2004 (Original publication date )

New search | Modify this search